

**Experiment Number:** 99037 - 04  
**Test Type:** 90-DAY  
**Route:** GAVAGE  
**Species/Strain:** MICE/B6C3F1

**P02: INCIDENCE RATES OF NEOPLASMS BY ANATOMIC SITE (a)**  
alpha/beta Thujone mixture  
**CAS Number:** 76231-76-0

**Date Report Requested:** 09/20/2016  
**Time Report Requested:** 15:14:27  
**First Dose M/F:** 08/14/02 / 08/15/02  
**Lab:** SRI

**NTP Study Number:** C99037B  
**Lock Date:** 04/04/2003  
**Cage Range:** ALL  
**Date Range:** ALL  
**Reasons For Removal:** ALL  
**Removal Date Range:** ALL  
**Treatment Groups:** Include ALL  
**Study Gender:** Both  
**TDMSE Version:** 3.0.2.3\_002  
**PWG Approval Date:** NONE

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B6C3F1 MICE MALE	0 MG/KG	6.25 MG/KG	12.5 MG/KG	25 MG/KG	50 MG/KG	75 MG/KG
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**Disposition Summary**

Animals Initially In Study	10	10	10	10	10	10
Early Deaths						
Natural Death					9	10
Survivors						
Terminal Sacrifice	10	10	10	10	1	
Animals Examined Microscopically	10	10	10	10	10	10

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**ALIMENTARY SYSTEM**

Esophagus	(10)	(0)	(0)	(10)	(9)	(10)
Gallbladder	(10)	(0)	(0)	(9)	(10)	(8)
Intestine Large, Cecum	(10)	(0)	(0)	(10)	(10)	(10)
Intestine Large, Colon	(10)	(0)	(0)	(10)	(10)	(10)
Intestine Large, Rectum	(10)	(0)	(0)	(10)	(10)	(10)
Intestine Small, Duodenum	(10)	(0)	(0)	(10)	(10)	(10)
Intestine Small, Ileum	(10)	(0)	(0)	(10)	(10)	(10)
Intestine Small, Jejunum	(10)	(0)	(0)	(10)	(9)	(9)
Liver	(10)	(0)	(0)	(10)	(10)	(10)
Pancreas	(10)	(0)	(0)	(10)	(10)	(10)
Salivary Glands	(10)	(0)	(0)	(10)	(10)	(10)
Stomach, Forestomach	(10)	(0)	(0)	(10)	(10)	(10)
Stomach, Glandular	(10)	(0)	(0)	(10)	(10)	(10)

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**CARDIOVASCULAR SYSTEM**

Heart	(10)	(0)	(0)	(10)	(10)	(10)
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**ENDOCRINE SYSTEM**

Adrenal Cortex	(10)	(10)	(10)	(10)	(10)	(10)
Adrenal Medulla	(10)	(10)	(10)	(10)	(10)	(10)
Parathyroid Gland	(10)	(0)	(0)	(10)	(10)	(9)
Pituitary Gland	(10)	(0)	(0)	(10)	(10)	(9)

a - Number of animals examined microscopically at site and number of animals with lesion

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B6C3F1 MICE MALE	0 MG/KG	6.25 MG/KG	12.5 MG/KG	25 MG/KG	50 MG/KG	75 MG/KG
Thyroid Gland	(10)	(0)	(0)	(10)	(10)	(10)
<b>GENERAL BODY SYSTEM</b>						
None						
<b>GENITAL SYSTEM</b>						
Epididymis	(10)	(0)	(0)	(10)	(10)	(10)
Preputial Gland	(10)	(0)	(0)	(10)	(10)	(10)
Prostate	(10)	(0)	(0)	(10)	(10)	(10)
Seminal Vesicle	(10)	(0)	(0)	(10)	(10)	(10)
Testes	(10)	(0)	(0)	(10)	(10)	(10)
<b>HEMATOPOIETIC SYSTEM</b>						
Bone Marrow	(10)	(0)	(0)	(10)	(10)	(10)
Lymph Node, Mandibular	(10)	(0)	(0)	(10)	(9)	(10)
Lymph Node, Mesenteric	(9)	(0)	(0)	(10)	(10)	(9)
Spleen	(10)	(0)	(0)	(10)	(10)	(10)
Thymus	(10)	(0)	(0)	(10)	(10)	(10)
<b>INTEGUMENTARY SYSTEM</b>						
Skin	(10)	(0)	(0)	(10)	(10)	(10)
<b>MUSCULOSKELETAL SYSTEM</b>						
Bone	(10)	(0)	(0)	(10)	(10)	(10)
Skeletal Muscle	(10)	(0)	(0)	(2)	(10)	(10)

a - Number of animals examined microscopically at site and number of animals with lesion

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B6C3F1 MICE MALE	0 MG/KG	6.25 MG/KG	12.5 MG/KG	25 MG/KG	50 MG/KG	75 MG/KG
<hr/>						
NERVOUS SYSTEM						
Brain	(10)	(10)	(10)	(10)	(10)	(10)
Peripheral Nerve	(10)	(0)	(0)	(5)	(10)	(10)
Spinal Cord	(10)	(0)	(0)	(4)	(10)	(10)
<hr/>						
RESPIRATORY SYSTEM						
Lung	(10)	(0)	(0)	(10)	(10)	(10)
Nose	(10)	(0)	(0)	(10)	(10)	(10)
Trachea	(10)	(0)	(0)	(10)	(10)	(10)
<hr/>						
SPECIAL SENSES SYSTEM						
Eye	(10)	(0)	(0)	(10)	(10)	(10)
Harderian Gland	(10)	(0)	(0)	(10)	(10)	(10)
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URINARY SYSTEM						
Kidney	(10)	(0)	(0)	(10)	(10)	(10)
Urinary Bladder	(10)	(0)	(0)	(10)	(10)	(10)

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a - Number of animals examined microscopically at site and number of animals with lesion

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B6C3F1 MICE MALE

0 MG/KG

6.25 MG/KG

12.5 MG/KG

25 MG/KG

50 MG/KG

75 MG/KG

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## Tumor Summary for Males

Total Animals with Primary Neoplasms (b)

Total Primary Neoplasms

Total Animals with Benign Neoplasms

Total Benign Neoplasms

Total Animals with Malignant Neoplasms

Total Malignant Neoplasms

Total Animals with Metastatic Neoplasms

Total Metastatic Neoplasms

Total Animals with Malignant Neoplasms

Uncertain Primary Site

Total Animals with Neoplasms Uncertain-

Benign or Malignant

Total Uncertain Neoplasms

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\*\*\* END OF MALE \*\*\*

a - Number of animals examined microscopically at site and number of animals with lesion

b - Primary tumors: all tumors except metastatic tumors

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Lab: SRI

B6C3F1 MICE FEMALE	0 MG/KG	6.25 MG/KG	12.5 MG/KG	25 MG/KG	50 MG/KG	75 MG/KG
<b>Disposition Summary</b>						
Animals Initially In Study	10	10	10	10	10	10
Early Deaths						
Natural Death					7	10
Survivors						
Terminal Sacrifice	10	10	10	10	3	
Animals Examined Microscopically	10	10	10	10	10	10
<b>ALIMENTARY SYSTEM</b>						
Esophagus	(10)	(0)	(0)	(10)	(10)	(10)
Gallbladder	(10)	(0)	(0)	(10)	(10)	(10)
Intestine Large, Cecum	(10)	(0)	(0)	(10)	(10)	(10)
Intestine Large, Colon	(10)	(0)	(0)	(10)	(10)	(10)
Intestine Large, Rectum	(10)	(0)	(0)	(10)	(10)	(10)
Intestine Small, Duodenum	(10)	(0)	(0)	(10)	(9)	(10)
Intestine Small, Ileum	(10)	(0)	(0)	(10)	(10)	(10)
Intestine Small, Jejunum	(10)	(0)	(0)	(10)	(8)	(10)
Liver	(10)	(0)	(0)	(10)	(10)	(10)
Pancreas	(10)	(0)	(0)	(10)	(10)	(10)
Salivary Glands	(10)	(0)	(0)	(10)	(10)	(10)
Stomach, Forestomach	(10)	(0)	(0)	(10)	(10)	(10)
Stomach, Glandular	(10)	(0)	(0)	(10)	(10)	(10)
<b>CARDIOVASCULAR SYSTEM</b>						
Heart	(10)	(0)	(0)	(10)	(10)	(10)
<b>ENDOCRINE SYSTEM</b>						
Adrenal Cortex	(10)	(10)	(10)	(10)	(10)	(10)
Adrenal Medulla	(10)	(0)	(0)	(10)	(10)	(10)
Parathyroid Gland	(10)	(0)	(0)	(10)	(10)	(9)
Pituitary Gland	(10)	(0)	(0)	(10)	(10)	(10)

a - Number of animals examined microscopically at site and number of animals with lesion

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Thyroid Gland	(10)	(0)	(0)	(10)	(10)	(10)
<b>GENERAL BODY SYSTEM</b>						
None						
<b>GENITAL SYSTEM</b>						
Clitoral Gland	(9)	(0)	(0)	(10)	(10)	(10)
Ovary	(10)	(10)	(10)	(10)	(10)	(10)
Teratoma Benign					1 (10%)	
Uterus	(10)	(10)	(10)	(10)	(10)	(10)
Vagina	(10)	(10)	(10)	(10)	(10)	(10)
<b>HEMATOPOIETIC SYSTEM</b>						
Bone Marrow	(10)	(0)	(0)	(10)	(10)	(10)
Lymph Node, Mandibular	(9)	(0)	(0)	(10)	(10)	(10)
Lymph Node, Mesenteric	(10)	(0)	(0)	(10)	(10)	(9)
Spleen	(10)	(1)	(0)	(10)	(10)	(10)
Thymus	(10)	(0)	(0)	(10)	(10)	(10)
<b>INTEGUMENTARY SYSTEM</b>						
Mammary Gland	(10)	(0)	(0)	(10)	(10)	(10)
Skin	(10)	(0)	(0)	(10)	(10)	(10)
<b>MUSCULOSKELETAL SYSTEM</b>						
Bone	(10)	(0)	(0)	(10)	(10)	(10)
Skeletal Muscle	(10)	(0)	(0)	(5)	(10)	(10)

a - Number of animals examined microscopically at site and number of animals with lesion

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B6C3F1 MICE FEMALE	0 MG/KG	6.25 MG/KG	12.5 MG/KG	25 MG/KG	50 MG/KG	75 MG/KG
<b>NERVOUS SYSTEM</b>						
Brain	(10)	(10)	(10)	(10)	(10)	(10)
Peripheral Nerve	(10)	(0)	(0)	(5)	(10)	(10)
Spinal Cord	(10)	(0)	(0)	(5)	(10)	(10)
<b>RESPIRATORY SYSTEM</b>						
Lung	(10)	(0)	(0)	(10)	(10)	(10)
Nose	(10)	(0)	(0)	(10)	(10)	(10)
Trachea	(10)	(0)	(0)	(10)	(10)	(10)
<b>SPECIAL SENSES SYSTEM</b>						
Eye	(10)	(0)	(0)	(10)	(10)	(10)
Harderian Gland	(10)	(0)	(0)	(10)	(10)	(10)
<b>URINARY SYSTEM</b>						
Kidney	(10)	(0)	(0)	(10)	(10)	(10)
Urinary Bladder	(10)	(0)	(0)	(10)	(10)	(10)

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B6C3F1 MICE FEMALE

0 MG/KG

6.25 MG/KG

12.5 MG/KG

25 MG/KG

50 MG/KG

75 MG/KG

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## Tumor Summary for Females

Total Animals with Primary Neoplasms (b)

1

Total Primary Neoplasms

1

Total Animals with Benign Neoplasms

1

Total Benign Neoplasms

1

Total Animals with Malignant Neoplasms

Total Malignant Neoplasms

Total Animals with Metastatic Neoplasms

Total Metastatic Neoplasms

Total Animals with Malignant Neoplasms

Uncertain Primary Site

Total Animals with Neoplasms Uncertain-

Benign or Malignant

Total Uncertain Neoplasms

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\*\*\* END OF REPORT \*\*\*

a - Number of animals examined microscopically at site and number of animals with lesion

b - Primary tumors: all tumors except metastatic tumors